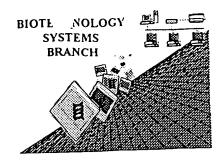
## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

09/827,937
OIPE
4-23-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: <a href="mailto:patin21help@uspto.gov">patin21help@uspto.gov</a> or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: <a href="mailto:patin3help@uspto.gov">patin3help@uspto.gov</a> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING

DATE: 04/23/2001

PATENT APPLICATION: US/09/827,937

TIME: 13:34:35

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             Ruben, Steven M.
     13 <120> TITLE OF INVENTION: Human G-Protein Coupled Receptors
     19 <130> FILE REFERENCE: 1488.1220003
C--> 25 <140> CURRENT APPLICATION NUMBER: US/09/827,937
C--> 28 <141> CURRENT FILING DATE: 2001-04-09
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     40 <160> NUMBER OF SEQ ID NOS: 18
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103 Met Gln Ala Val
                                                           Met Gln Ala Val
    103
                                                                            285 must include (220),
    112 gac aat ctc acc tct gcg cct ggg aac acc agt ctg tgc acc aga gac
     115 Asp Asn Leu Thr Ser Ala Pro Gly Asn Thr Ser Leu Cys Thr Arg Asp
                                                                                 2223> features to
                             10
     124 tac aaa atc acc cag gtc ctc ttc cca ctg ctc tac act gtc ctg ttt
                                                                                 explain the source
     127 Tyr Lys Ile Thr Gln Val Leu Phe Pro Leu Leu Tyr Thr Val Leu Phe
                          25
                                              30
                                                                            381 of the genetic
     136 ttt gtt gga ctt atc aca aat ggc ctg gcg atg agg att ttc ttt caa
    139 Phe Val Gly Leu Ile Thr Asn Gly Leu Ala Met Arg Ile Phe Phe Gln
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                                          45
    148 atc cgg agt aaa tca aac ttt att att ttt ctt aag aac aca gtc att
                                                                                 sequence.
    151 Ile Arg Ser Lys Ser Asn Phe Ile Ile Phe Leu Lys Asn Thr Val Ile
                                      60
    160 tet gat ett ete atg att etg act ttt eca tte aaa att ett agt gat
    163 Ser Asp Leu Leu Met Ile Leu Thr Phe Pro Phe Lys Ile Leu Ser Asp
                                  75
                                                                            525 * Note: please
    172 gcc aaa ctg gga aca gga cca ctg aga act ttt gtg tgt caa gtt acc
    175 Ala Lys Leu Gly Thr Gly Pro Leu Arg Thr Phe Val Cys Gln Val Thr
                                                                            573 Correct subsequent
                              90
                                                  95
    184 tcc gtc ata ttt tat ttc aca atg tat atc agt att tca ttc ctg gga
                                                                                 sequences in the
    187 Ser Val Ile Phe Tyr Phe Thr Met Tyr Ile Ser Ile Ser Phe Leu Gly
                         105
    196 ctg ata act atc gat cgc tac cag aag acc acc agg cca ttt aaa aca
                                                                                listing which contain
    199 Leu Ile Thr Ile Asp Arg Tyr Gln Lys Thr Thr Arg Pro Phe Lys Thr
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Output Set: N:\CRF3\04232001\I827937.raw

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223 Trp Ala Phe Met Phe Leu Leu Ser Leu Pro Asn Met Ile Leu Thr Asn	
226 150 155 160	
232 agg cag ccg aga gac aag aat gtg aag aaa tgc tct ttc ctt aaa tca 7	65 .
·235 Arg Gln Pro Arg Asp Lys Asn Val Lys Lys Cys Ser Phe Leu Lys Ser	
238 165 170 175 180	
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247 Glu Phe Gly Leu Val Trp His Glu Ile Val Asn Tyr Ile Cys Gln Val	
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256 att ttc tgg att aat ttc tta att gtt att gta tgt tat aca ctc att 8	61
259 Ile Phe Trp Ile Asn Phe Leu Ile Val Ile Val Cys Tyr Thr Leu Ile	
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274 215 220 225	
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283 Val Pro Arg Lys Lys Val Asn Val Lys Val Phe Ile Ile Ile Ala Val	
286 230 235 240	
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295 Phe Phe Ile Cys Phe Val Pro Phe His Phe Ala Arg Ile Pro Tyr Thr	005
298 245 250 255 260	
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307 Leu Ser Gln Thr Arg Asp Val Phe Asp Cys Thr Ala Glu Asn Thr Leu	033
310 265 270 275	
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319 Phe Tyr Val Lys Glu Ser Thr Leu Trp Leu Thr Ser Leu Asn Ala Cys 322 280 285 290	
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331 Leu Asp Pro Phe Ile Tyr Phe Phe Leu Cys Lys Ser Phe Arg Asn Ser	
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343 Leu Ile Ser Met Leu Lys Cys Pro Asn Ser Ala Thr Ser Leu Ser Gln	
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661 Phe Arg Asn Ser Leu Ile Ser Met Leu Lys Cys Pro Asn Ser Ala Thr 664 305 310 315 320 670 Ser Leu Ser Gln Asp Asn Arg Lys Lys Glu Gln Asp Gly Gly Asp Pro 673 325 330 335 679 Asn Glu Glu Thr Pro Met 682 340 691 <210> SEQ ID NO: 3 694 <211> LENGTH: 1637 697 <212> TYPE: DNA 700 <213> ORGANISM: genomic 706 <220> FEATURE: 709 <221> NAME/KEY: CDS 712 <222> LOCATION: (50)(1201) 718 <400> SEQUENCE: 3 721 ggcacgagcc caccetgcgt cgggcctcag tcagcccccg ggggaggcc atg aac gcc 58 724 Met Asn Ala 727 733 acg ggg acc ccg gtg gcc ccc gag tcc tgc caa cag ctg gcg gcc ggc 106 736 Thr Gly Thr Pro Val Ala Pro Glu Ser Cys Gln Gln Leu Ala Ala Gly 739 5 10 15 745 ggg cac agc cgg ctc att gtt ctg cac tac aac cac tcg ggc cgg ctg 748 Gly His Ser Arg Leu Ile Val Leu His Tyr Asn His Ser Gly Arg Leu 751 20 25 30 35 757 gcc ggg cgc ggg ggg ccg gag gat ggc ctg ggg cct ctg ggg
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760 Ala Cly Arg Cly Cly Pro Cly Asp Cly Cly Leu Cly Ala tou Arg Cly
Too are dry and dry dry fro dre was dry dry need dry and held and dry
763 40 45 50
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799 85 90 95
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808 Leu Ala Asn Val Leu Leu Ser Gly Ala Arg Thr Phe Arg Leu Ala Pro
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Input Set : A:\seqlist-1488 1220003.txt
Output Set: N:\CRF3\04232001\I827937.raw

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871 180 185 190	195
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/827,937

DATE: 04/23/2001 TIME: 13:34:36

Input Set : A:\seqlist-1488 1220003.txt
Output Set: N:\CRF3\04232001\I827937.raw

L:25 M:270 C: Current Application Number differs, Replaced Application Number L:28 M:271 C: Current Filing Date differs, Replaced Current Filing Date